Building Site Development

Map symbol and soil name	Pct. of map unit	streets	ıd	Shallow excavati - 	ons	Lawns and landsca 	aping
	 			Rating class and limiting features 			
11B:		 		 			
Colo	- 60 	Depth to saturated zone	1.00 	Very limited Depth to saturated zone	1.00 	 Very limited Flooding 	11.00
		Low strength	 1.00 1.00	İ	0.80	Depth to saturated zone 	11.00
Ely	 - 35 	İ		 Very limited Depth to	 0.95	 Not limited 	
	 	Low strength Shrink-swell 	1.00 0.50	İ	 	 	
41: Sparta	 - 100 	 Not limited 	 	 Very limited cutbanks cave 		 Somewhat limited Droughty 	 0.06
41B: Sparta	 - 100 	 Not limited 	 	 Very limited cutbanks cave		 Somewhat limited Droughty	10.06
41C: Sparta	 - 100 	 Not limited		 Very limited cutbanks cave		 Somewhat limited Droughty	0.06
41D: Sparta	- 100 	 Somewhat limited Slope 	0.63	 Very limited cutbanks cave Slope	0.90	 Somewhat limited Slope Droughty	10.63
51: Vesser	 - 95 	 Very limited Frost action		 Very limited Depth to saturated zone		 Somewhat limited Flooding	10.60
		Flooding	İ	Flooding 	0.60	Depth to saturated zone	0.19
	 	•	1.00 0.50 0.19	Ī		 	

Building Site Development

Map symbol and soil name	Pct. of map unit	l	d	Shallow excavati 	ons	Lawns and landscaping 	
	 			Rating class and limiting features			
54: Zook				 Very limited			
	 	saturated zone Frost action Flooding Low strength	 1.00 1.00	Too clayey 	 0.60	saturated zone Flooding	1.00 0.60
63B: Chelsea	- 100	 Not limited 		 Very limited cutbanks cave 		 Somewhat limited Droughty 	0.48
63C: Chelsea	- 100	 Not limited 		 Very limited cutbanks cave 		 Somewhat limited Droughty 	 0.48
63D: Chelsea				Slope	0.96	 Very limited Slope Droughty	 0.96 0.48
63F: Chelsea	- 100			Slope	11.00	 Very limited Slope Droughty	11.00
55E2: Lindley	 	Slope Low strength Shrink-swell		- 		 Very limited Slope 	11.00
55F: Lindley		Slope	1.00 1.00	Slope 		 Very limited Slope 	11.00
65F3: Lindley	 - 95 	 Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	I I	1 1.00	 Very limited Slope 	1 1.00

Benton County, Iowa

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati - -	ons	Lawns and landsca 	ping
	 	=		Rating class and limiting features		_	
83B:	İ	 	 	i I	 	i I	i I
Kenyon	- 100 	•	0.50	Somewhat limited Depth to saturated zone	0.16	•	
	İ	Low strength	0.22	 	i I	 	
83C:	1100	 Comorrhot limited	į	 Comprehent limited	į	 Not limited	
Kenyon	- 100		0.50	Somewhat limited Depth to saturated zone	0.16		
	1	Low strength	0.22 	 	 	[[
83C2:	1100	 	į		į	, Nat limited	į
Kenyon	- 100	Somewhat limited Frost action 		Somewhat limited Depth to saturated zone	0.16	•	
	İ	Low strength	0.22	 -	İ	 -	İ
83D:							
Kenyon	- 100	Slope	0.63	Somewhat limited Slope Depth to	0.63	Slope	10.63
		 Low strength	 0.22	saturated zone	 	 	
83D2:		 		 		 	
Kenyon	- 100 	Slope	0.63		0.63	Slope	0.63
	 		10.22	saturated zone	0.16 	 	
0.4	į	 			į		į
84: Clyde	- 100 	 Very limited Depth to	 1.00	 Very limited Depth to	1 1.00	 Very limited Depth to	1 1.00
			 1.00 1.00			saturated zone 	
		Low strength Shrink-swell		•	 	1 	
109C: Backbone	 -	 		 Vory limited		 Somewhat limited	
Dackbone		Frost action	0.50	Very limited Depth to hard bedrock	11.00		0.46
	İ	Depth to hard bedrock	0.46		0.01	Droughty 	0.04
	İ	Slope	0.01	Slope	0.01	Slope	0.01

Benton County, Iowa

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	Lawns and landsca - -	ping
				Rating class and limiting features			
110B: Lamont				 - Very limited cutbanks cave			
110C: Lamont				 Very limited cutbanks cave			
118: Garwin		Depth to saturated zone Frost action	1.00 1.00 1.00	Depth to saturated zone 	11.00	 Very limited Depth to saturated zone 	1 1.00
119: Muscatine	 	Frost action Low strength	1.00	Depth to saturated zone		 Not limited 	
119B: Muscatine	İ	Frost action Low strength				 Not limited 	
120: Tama	Ì	Frost action Low strength	 1.00 1.00 0.50	İ	 	 Not limited 	
120B: Tama		Frost action			'	 Not limited 	
120C: Tama	 - 100 	 Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	İ	 	 Not limited 	

Benton County, Iowa

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	Lawns and landsca 	aping
	 			Rating class and limiting features		-	
120C2: Tama		Frost action Low strength	 1.00 1.00 0.50	Ī	 	 Not limited 	
122: Sperry		saturated zone Frost action Low strength		Depth to saturated zone 		 Very limited Depth to saturated zone 	11.00
127: Wiota		Frost action Low strength		cutbanks cave	 0.90 	 Not limited 	
133: Colo	 	Depth to saturated zone Frost action Flooding Low strength	1.00 	Depth to saturated zone Flooding 	11.00	 Very limited Depth to saturated zone Flooding 	1.00
159: Finchford	- 100	 Not limited 		1 - 2		 Somewhat limited Droughty 	10.42
162B: Downs	İ	Frost action Low strength	 1.00 1.00 0.50	İ	 	 Not limited 	
162C: Downs		Frost action Low strength	 1.00 1.00 0.50	1	 	 Not limited 	

Building Site Development

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati	ons	Lawns and landsca 	aping
	 			Rating class and limiting features			
162C2: Downs	 100 	Low strength	 1.00 1.00 0.50	Ì	 	 Not limited 	
162D: Downs	 100 	Low strength Slope	 1.00 1.00 0.63 0.50	I I	 0.63 	 Somewhat limited Slope 	 0.63
162D2: Downs	 100 	Low strength	 1.00 1.00 0.63 0.50	I I	 0.63 	 Somewhat limited Slope 	 0.63
163B: Fayette	 100 	Frost action	1.00	i I		 Not limited 	
163C: Fayette	 100 	Frost action	 1.00 1.00 0.50	İ		 Not limited 	
163C2: Fayette	 100 	Frost action	 1.00 1.00 0.50	İ		 Not limited 	
163D: Fayette	 100 	Frost action Low strength Slope	 1.00 1.00 0.63 0.50	I I	 0.63 	 Somewhat limited Slope 	 0.63

Building Site Development

Map symbol and soil name	Pct. of map unit	streets		Shallow excavati - 	Shallow excavations 		aping
	 	=		Rating class and limiting features		=	
163D2: Fayette	 - 100 	Frost action		1	 0.63 	 Somewhat limited Slope 	0.63
163E: Fayette	 - 100 	 Very limited Frost action Low strength Slope Shrink-swell		1		 Very limited Slope 	11.00
163E2: Fayette	 - 100 	Frost action		İ	11.00	 Very limited Slope 	1.00
163F: Fayette	1	Slope Frost action		İ	11.00	 Very limited Slope 	11.00
163F2: Fayette	 - 100 	Slope		İ		 Very limited Slope 	11.00
163G: Fayette		Slope	11.00			 Very limited Slope 	1.00
171B: Bassett	- 100 	 Somewhat limited Frost action Low strength	 0.50 0.22	saturated zone	 0.16	 Not limited 	

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	Pct. of map unit	streets	d	 Shallow excavati 	ons	Lawns and landscaping	
				Rating class and limiting features			
171C: Bassett	İ I	Frost action	0.50	Depth to saturated zone	0.16	 	
171C2: Bassett	İ I	Frost action	0.50	 Somewhat limited Depth to saturated zone 	0.16		
171D: Bassett	 	Slope Frost action 	0.63	Depth to saturated zone	0.63 0.16	 Somewhat limited Slope 	 0.63
171D2: Bassett	 100 	 Somewhat limited Slope Frost action	 0.63 0.50	 Somewhat limited Slope Depth to saturated zone	0.63	Slope	0.63
175: Dickinson				 Very limited cutbanks cave	1 1 1 1 0.90	 Not limited 	
175B: Dickinson		 Somewhat limited Frost action			1 0.90	 Not limited 	
175C: Dickinson		 Somewhat limited Frost action		-	0.90	 Not limited 	
177: Saude	 - 100 	 Not limited 		 Very limited cutbanks cave 	0.90	 Not limited 	
177B: Saude	 100 	 Not limited 	 	 Very limited cutbanks cave 		 Not limited 	

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Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	 Lawns and landsca 	ping
	 					Rating class and limiting features	
177C: Saude	 - 95 	 Not limited 		 Very limited cutbanks cave	 0.90	 Not limited 	
178: Waukee	 - 95 	 Not limited 		 Very limited cutbanks cave	0.90	 Not limited 	
178B: Waukee	100	 Not limited 		. 4	0.90	 Not limited 	
184B: Klinger	 - 95 				10.95	 Not limited 	
	 	•	1.00 0.50			 	
198B: Floyd	 - 95 	Frost action 	11.00	Depth to saturated zone	0.95	ĺ	
207C:		Shrink-swell	0.50 	cutbanks cave 	0.90 	 	
Whalan	 - 95 	 Very limited Low strength 		 Very limited Depth to hard bedrock		Somewhat limited Depth to bedrock	 0.46
		•	0.50 0.46	'	0.28	 	
214C: Rockton	 - 95 		0.50	 Very limited Depth to hard bedrock	11.00	 Somewhat limited Depth to bedrock	 0.46
		Depth to hard bedrock	0.50 0.46	 	0.28	 	
		Low strength	0.22 	 		 	

Building Site Development

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	Lawns and landscaping 	
				Rating class and limiting features			
220: Nodaway		Frost action Flooding Low strength	1.00 1.00 1.00	Depth to saturated zone 	0.80	 	1 1.00
221B: Palms		 Very limited Depth to saturated zone Subsidence	1.00 1.00	 Very limited Depth to saturated zone Content of organic matter	1.00 1.00	Content of	 1.00 1.00
226: Lawler	 - 95 	•		 Very limited Depth to saturated zone cutbanks cave	0.95	Ì	
284: Flagler	- 100	 Not limited 		·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited 	
284B: Flagler	- 100	 Not limited 		 Very limited cutbanks cave	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited 	
285C: Burkhardt	- 100	 Not limited 		 Very limited cutbanks cave		 Somewhat limited Droughty	10.69
291: Atterberry	 - 100 	Frost action Low strength	1.00 1.00 0.19	saturated zone	11.00	 Somewhat limited Depth to saturated zone 	0.19
293C: Chelsea	- 40	 Not limited 	 	 Very limited cutbanks cave 	10.90	 Somewhat limited Droughty 	10.48

Building Site Development

Map symbol and soil name	Pct. of map unit	streets	nd	Shallow excavati 	ons	Lawns and landscaping 	
				Rating class and limiting features			
Lamont	30	 Somewhat limited Frost action		 Very limited cutbanks cave	10.90	 Not limited 	
Fayette		Frost action Low strength	 1.00 1.00 0.50	i İ		 Not limited 	
293D:	i	 				 	1
Chelsea	40 	•		Very limited Slope cutbanks cave	0.96	 Very limited Slope Droughty	10.96
Lamont	İ	Slope	0.96	 Very limited Slope cutbanks cave		 Very limited Slope 	0.96
Fayette		Frost action Low strength Slope		Ì		 Very limited Slope 	 0.96
293F:	1						1
Chelsea	40			Very limited Slope cutbanks cave		 Very limited Slope Droughty	11.00
Lamont	İ	Slope	11.00	 Very limited Slope cutbanks cave		 Very limited Slope 	11.00
Fayette	İ I	Slope Frost action Low strength		İ		 Very limited Slope 	 1.00
302B: Coggon	 100 	 Somewhat limited Frost action 		 Somewhat limited Depth to saturated zone	0.16	 Not limited 	
	1	Low strength	0.22	I			1

Building Site Development

Map symbol and soil name	Pct. of map unit	streets			Shallow excavations 		aping
		-		Rating class and limiting features			
302C: Coggon	 100 	 - Somewhat limited Frost action Low strength	 0.50 0.22	Depth to saturated zone	 0.16	 	
302C2: Coggon	 100 	 	 	 Somewhat limited Depth to saturated zone	 0.16	 Not limited 	
315: Fluvaquents	 95 	Not Rated (miscellaneous	1.00	 Very limited Slope 	11.00	 Very limited Flooding 	11.00
		unit) Depth to saturated zone Slope		Depth to saturated zone Not Rated	1.00 1.00	İ	1.00 1.00
	; 	 Flooding 	 1.00 1.00	(miscellaneous unit) Flooding 		saturated zone Not Rated (miscellaneous unit)	11.00
350: Waukegan	 100 	 Very limited		 Very limited cutbanks cave	1 1 1 0.90	 Not limited 	
350B: Waukegan	 100 	•		 Very limited cutbanks cave	1 1 1 1 0 . 90	 Not limited 	
352B: Whittier	İ	Low strength			0.90		
377B: Dinsdale	 100 	 Very limited Frost action Low strength	11.00	saturated zone	 0.16	 Not limited 	

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and soil name of map	Pct. of map unit	streets	d	Shallow excavati	excavations Lawns and landscapi		
	 	=		Rating class and limiting features		=	
377C: Dinsdale	1 100 1 100 1	Frost action Low strength		saturated zone	0.16	 Not limited 	
377C2: Dinsdale	 100 	Frost action Low strength					
382: Maxfield	 100 	Depth to saturated zone Frost action Low strength	1.00			 Very limited Depth to saturated zone 	1.00
391B: Clyde	 60 	Depth to saturated zone Frost action Low strength	1.00	Depth to saturated zone 		 Very limited Depth to saturated zone 	 1.00
Floyd		Frost action 	1.00 		 0.95 0.90	İ	
398: Tripoli	 100 		1.00	saturated zone		 Very limited Depth to saturated zone 	11.00
399: Readlyn	 95 	 Very limited Frost action 		 Very limited Depth to saturated zone	 0.95	 Not limited 	

Building Site Development

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	Lawns and landsca	wns and landscaping	
	 			Rating class and limiting features 		=	
407B: Schley	 - 95 	Frost action		 Very limited Depth to saturated zone 		 Somewhat limited Depth to saturated zone 	 0.19
408B: Olin	 - 100 	 Somewhat limited Frost action	1 1 1 0.50	 Not limited 		 Not limited 	
408C: Olin	 - 100 	 Somewhat limited Frost action	0.50	 Not limited 		 Not limited 	
412C: Sogn	 - 100 	Depth to hard bedrock		 	1 1.00	ĺ	 0.92
412D: Sogn	 - 100 	Depth to hard bedrock Low strength Slope Shrink-swell		 	 1 1.00 10.96 1 1	 Slope	 0.96 0.92
412F: Sogn	 - 100 	 Very limited Depth to hard bedrock Slope Low strength Shrink-swell Frost action	 1.00 1.00 1.00 1.00 0.50 	bedrock Slope 	 1.00 1.00 	 Slope	 1.00 0.92

Building Site Development

and soil name	Pct. of map unit	streets	d	Shallow excavations Lawns and l		Lawns and landsca 	andscaping	
	 			 Rating class and limiting features 				
420: Tama	 100 	Frost action Low strength	 1.00 1.00 0.50	İ		 Not limited 	 	
420B: Tama	 100 	Frost action Low strength	 1.00 1.00 0.50	İ		 Not limited 	 	
426B: Aredale	100			 Very limited cutbanks cave	0.90	 Not limited 		
426C: Aredale	 100 			 Very limited cutbanks cave	0.90	 Not limited 		
428B: Ely	 95 	Frost action	1.00 	saturated zone	10.95	 Not limited 		
485: Spillville	 95	Shrink-swell 	1.00 0.50 		 	 Somewhat limited		
opiliville	 	Flooding Low strength Shrink-swell	1.00 1.00	cutbanks cave Depth to saturated zone Flooding	0.90 0.61	Flooding 	0.60	
536: Hanlon	 95 	Flooding	1.00	 Very limited cutbanks cave Depth to saturated zone Flooding		İ	 0.60 	

Building Site Development

and soil name	Pct. of map unit	streets	nd Shallow excavations			Lawns and landscaping -	
				Rating class and limiting features			
727: Udolpho	 - 100 	Depth to saturated zone Frost action	1.00 	saturated zone cutbanks cave		 Very limited Depth to saturated zone 	1 1.00
729B: Nodaway	 - 60 	Frost action Flooding Low strength	11.00	Depth to saturated zone	 0.80 0.61 		1.00
Radford	 - 30 	Frost action Flooding Low strength	11.00	Depth to saturated zone Flooding 		 Very limited Flooding Depth to saturated zone 	1.00
771B: Waubeek	 - 100 	Frost action 	11.00	Depth to saturated zone	0.16	 Not limited 	
771C: Waubeek	 - 100 	Frost action Low strength		saturated zone	0.16	 Not limited 	
771C2: Waubeek	 - 100 	Frost action Low strength		Depth to saturated zone	 0.16 	 Not limited 	

Building Site Development

and soil name	Pct. of map unit	streets	d	Shallow excavati 	Lawns and landsca 	wns and landscaping	
				Rating class and limiting features			
778: Sattre	 - 100	 Not limited		 - Very limited cutbanks cave	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited	
778B: Sattre	 - 100 	 Not limited 		 Very limited cutbanks cave	0.90	 Not limited 	
782B: Donnan	 - 95 	Frost action	1.00 	Depth to saturated zone	11.00	i İ	
782C2: Donnan		 Very limited Frost action Low strength	11.00	 Very limited Depth to saturated zone Too clayey	11.00	Ì	
1043: Bremer		 Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1 1.00	 Very limited Depth to saturated zone cutbanks cave 	11.00	 - Very limited Depth to saturated zone 	11.00
1088: Nevin		 Very limited Frost action Low strength	1.00 	Depth to saturated zone cutbanks cave	0.95	Ì	
1119: Muscatine	 - 95 	Frost action Low strength		saturated zone	 0.95 	 Not limited 	

Building Site Development

map	Pct. of map unit	streets	d	Shallow excavati - -	ons	Lawns and landscapin		
				Rating class and limiting features				
1133:	0.5							
Colo	95 	Depth to saturated zone	1.00 	Depth to saturated zone	11.00	I	11.00	
		 Flooding Low strength	 1.00 1.00 0.50	 		saturated zone	 	
1160:		 		 		 		
Walford	100	Depth to saturated zone Frost action Low strength	1.00 	Depth to saturated zone cutbanks cave	11.00	saturated zone	11.00	
1291:		 				 		
Atterberry	95	Frost action Low strength	1.00 	Depth to saturated zone 	1.00	Somewhat limited Depth to saturated zone 	 0.19 	
İ			i		i		i	
1485: Spillville 	90	Flooding Low strength	1.00 1.00			Flooding 	 1.00 	
		Frost action	0.50		į		į	
1688: Koszta	95	 Very limited	 	 Very limited	 	 Not limited		
		Frost action 	İ	saturated zone	0.95	I		
		Low strength Shrink-swell 	10.50		0.90 	 		
5030: Pits, Limestone Quarry	100	 Not rated 	 	 Not rated 	 	 Not rated 	 	

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	1					1	
Map symbol	Pct.	Local roads and		Shallow excavations		Lawns and landscaping	
and soil name	of	streets				I	
	map					I	
	unit	I		1		I	
						I	
		Rating class and	Value	Rating class and	Value	Rating class and	Value
		limiting features		limiting features		limiting features	
	_	I	l	I	_	I	_
						I	
5040:				I		I	
Orthents	- 100	Not rated		Not rated		Not rated	
						I	
						I	
						I	
				I		L	
	_	l	l	l	_	I	_